

W.Q. Project Inventory

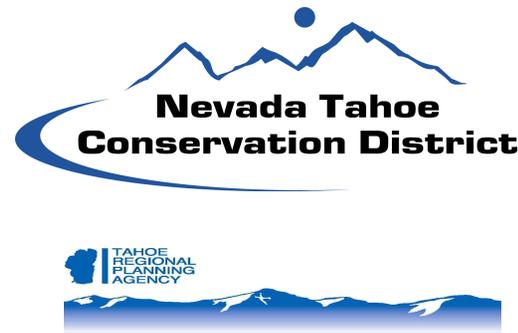
Goal:

Create a centralized, spatial database of Water Quality Project BMPs that have been implemented in the Tahoe Basin.

Funders:

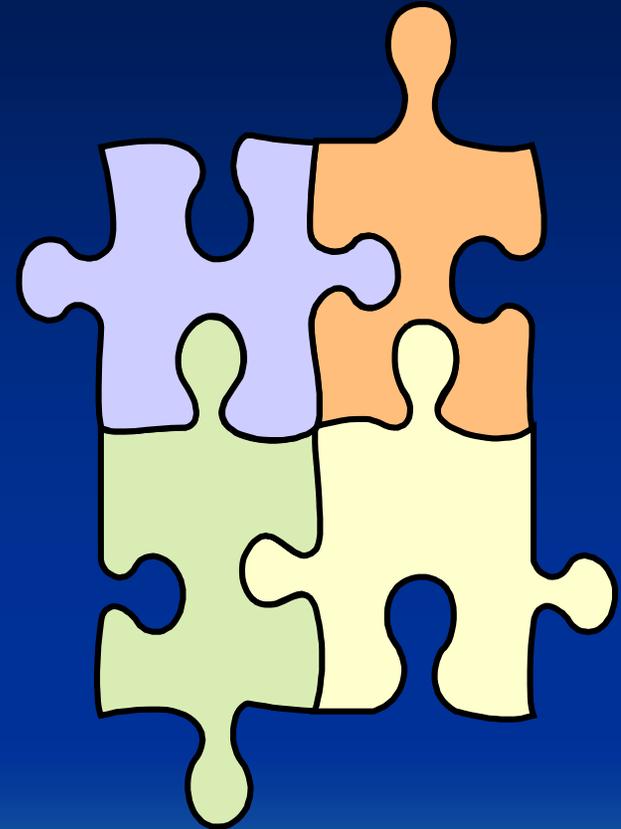


Collaborators:

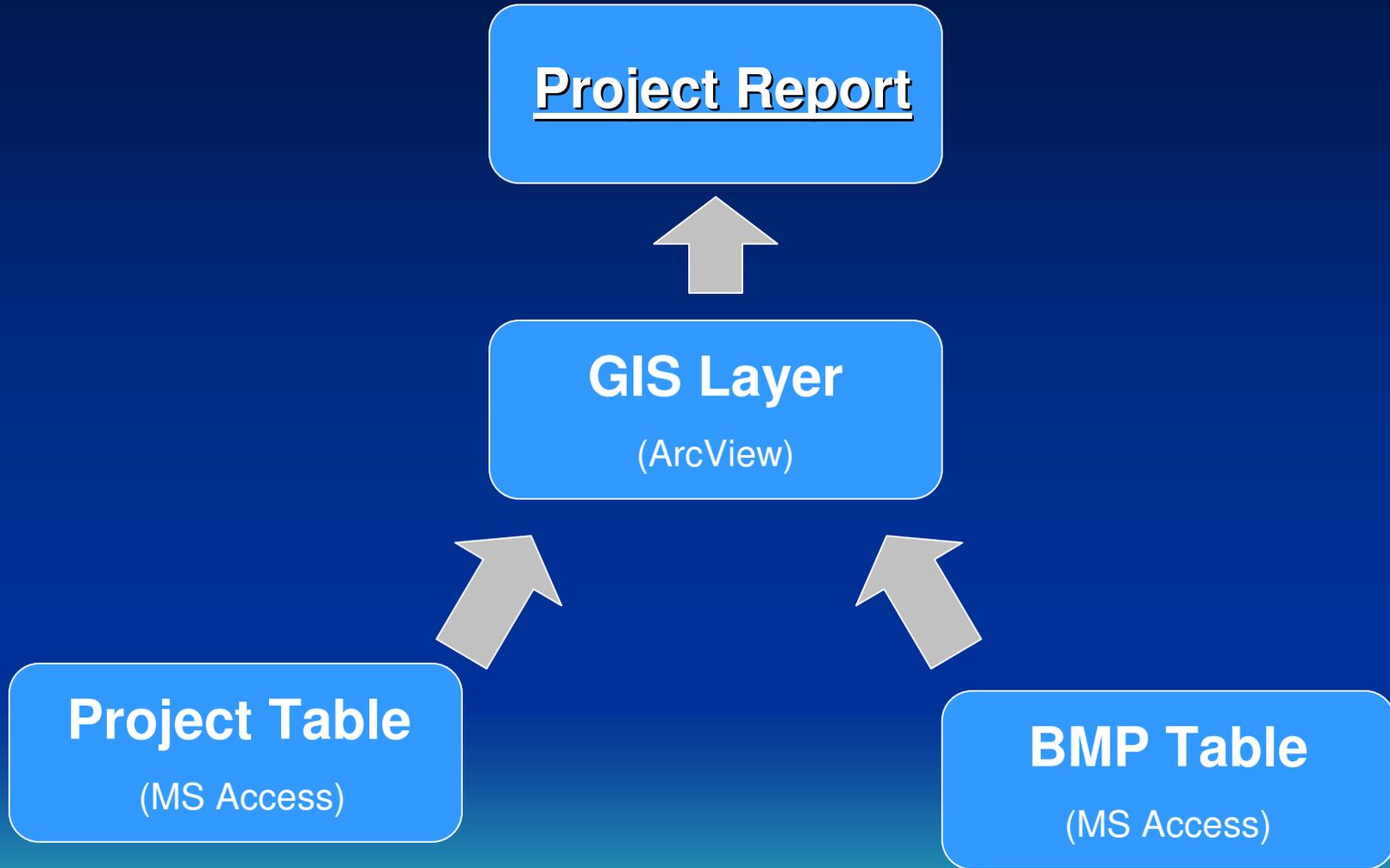


Scoping Efforts

- What do we need?
- What is available?
- Who else needs it?
- Can we work together?
- What can we produce?



Data Structure



Project Table

- Unique Project ID #
- EIP #
- EIP Name
- Federal Funder, Amount
- State Funder, Amount
- Local Funder, Amount
- Construction Date
- Engineering Consultant
- Const. Contractor
- Implementer Proj. Name
- Implementer #
- State Funder Proj. Name
- State Funder Proj. #
- Maintenance Plans
- Monitoring Plans
- Last Update
- Project Comments

Microsoft Access

File Edit View Insert Format Records Tools Window Help

Type a question for help

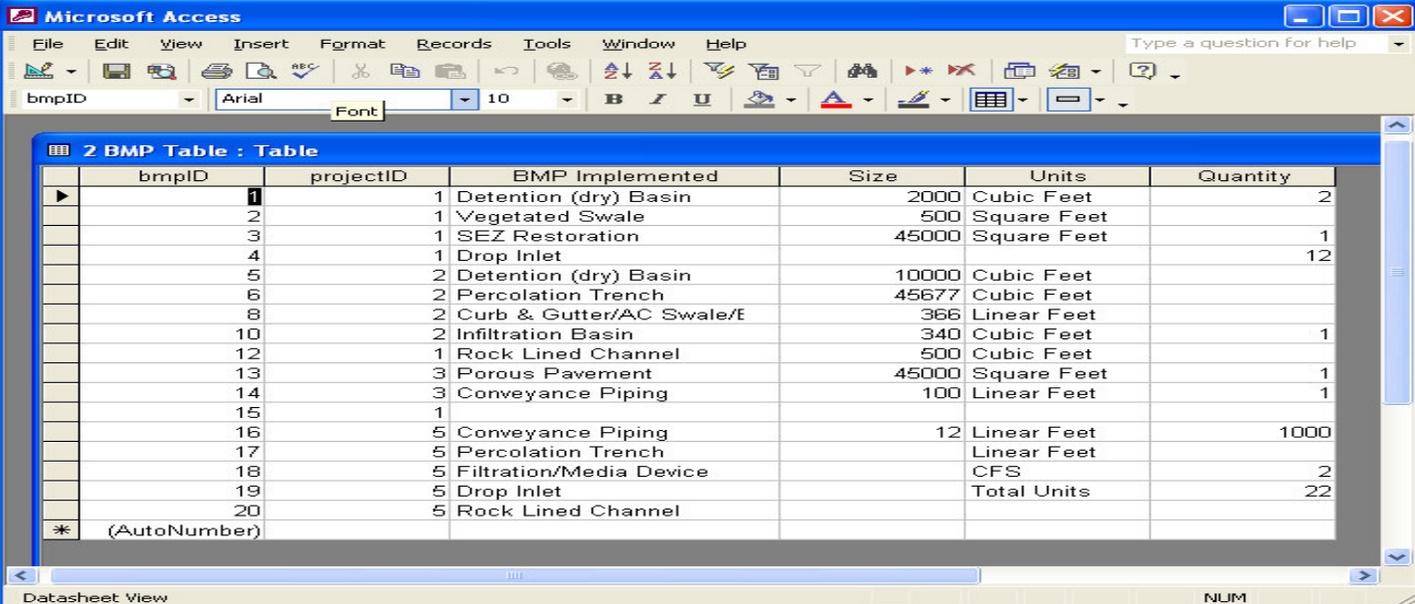
projectID Arial 10 B I U

1 Projects Table : Table

	projectID	EIP #	EIP Name	Implementer	Implementer Project #	Implementer Project Name	Federal Funder	Fed Fundi
+	1	4	SOUTH SHORE CASINO COR	El Dorado Cc	234-435	Stateline Casinos Stormwater Pro	LTBMU	\$9,345,00
+	2	123	SIERRA TRACT RESIDENTIAL	City SLT	C-345	Sierra Tract	BOR	:
+	3	456	INCLINE VILLAGE #2	Washoe Co.	xxx	Incline #2	LTBMU	\$23,00
+	4	456	OTHER LAKES MONITORING	CalTrans	23457	Goo on the Corner	Multiple	\$20,00
+	5		Not EIP	Placer Co.	56-89-99	Cows in the butter milk	None	:
*	oNumber)		Not EIP	None			None	:

Datasheet View NUM

BMP Table



Microsoft Access

File Edit View Insert Format Records Tools Window Help

Type a question for help

bmpID Arial Font 10

2 BMP Table : Table

bmpID	projectID	BMP Implemented	Size	Units	Quantity
1	1	Detention (dry) Basin	2000	Cubic Feet	2
2	1	Vegetated Swale	500	Square Feet	
3	1	SEZ Restoration	45000	Square Feet	1
4	1	Drop Inlet			12
5	2	Detention (dry) Basin	10000	Cubic Feet	
6	2	Percolation Trench	45677	Cubic Feet	
8	2	Curb & Gutter/AC Swale/E	366	Linear Feet	
10	2	Infiltration Basin	340	Cubic Feet	1
12	1	Rock Lined Channel	500	Cubic Feet	
13	3	Porous Pavement	45000	Square Feet	1
14	3	Conveyance Piping	100	Linear Feet	1
15	1				
16	5	Conveyance Piping	12	Linear Feet	1000
17	5	Percolation Trench		Linear Feet	
18	5	Filtration/Media Device		CFS	2
19	5	Drop Inlet		Total Units	22
20	5	Rock Lined Channel			
*	(AutoNumber)				

Datasheet View NUM

- Bmp ID #
- Project ID #
- BMP Name
- Type
- Quantity
- Units

~ 25 BMPs

- Wetland/Retention Basin
- Detention (dry) Basin
- Infiltration Basin
- Vegetated Swale
- Percolation Trench
- Rock Lined Channel
- C&G/AC Swale/AC Berm
- Conveyance Piping
- Water Bar
- Porous Pavement
- Hard Coverage Removal
- Soft Coverage to Pavement
- Drainage Inlet
- Sediment Trap
- Sand/Oil Separator
- Filtration/Media Device
- CDS
- BaySaver
- Stormwater Interceptor
- Vortechinics
- Jenson
- Revegetation
- Retaining Wall
- RipRap Slope Stabilization
- SEZ Restoration



GIS Project Areas



Project Report

Lake Tahoe Basin BMP Inventory

ProjectID

Data Source

EIP Name

Implementer Proj Name

State Funder Proj Name

EIP #

Implementer

Implementer Proj #

Engineering Consultant

Construction Contractor

Completion Date

Maintenance Plan

Monitoring Plan

Date Modified

Complete Record?

Project Comments:

BMPs

bmpID	projectID	BMP Implemented	Type	Quantity	Units
1	1	Detention (dry) Basin	2000	2	Cubic Feet
2	1	Vegetated Swale	500		Square Feet
3	1	SEZ Restoration	45000	1	Square Feet
4	1	Drainage Inlet		12	
12	1	Rock Lined Channel	5	100	Square Feet
15	1				

State Funder

State Funding Amount

State Funder Proj #

Fed Funder

Fed Funding Amount

Local Funder

Local Funding Amount



Inventory Uses

- Modeling Applications
 - TMDL Watershed Model Calibration
 - Runoff, Erosion, Groundwater Models
- Management Actions
 - Total numbers of BMPs
 - Total quantity of each BMP type
 - Treated areas, % Watershed area treated
- Funding
 - Implementer Achievement
 - Funding Effectiveness

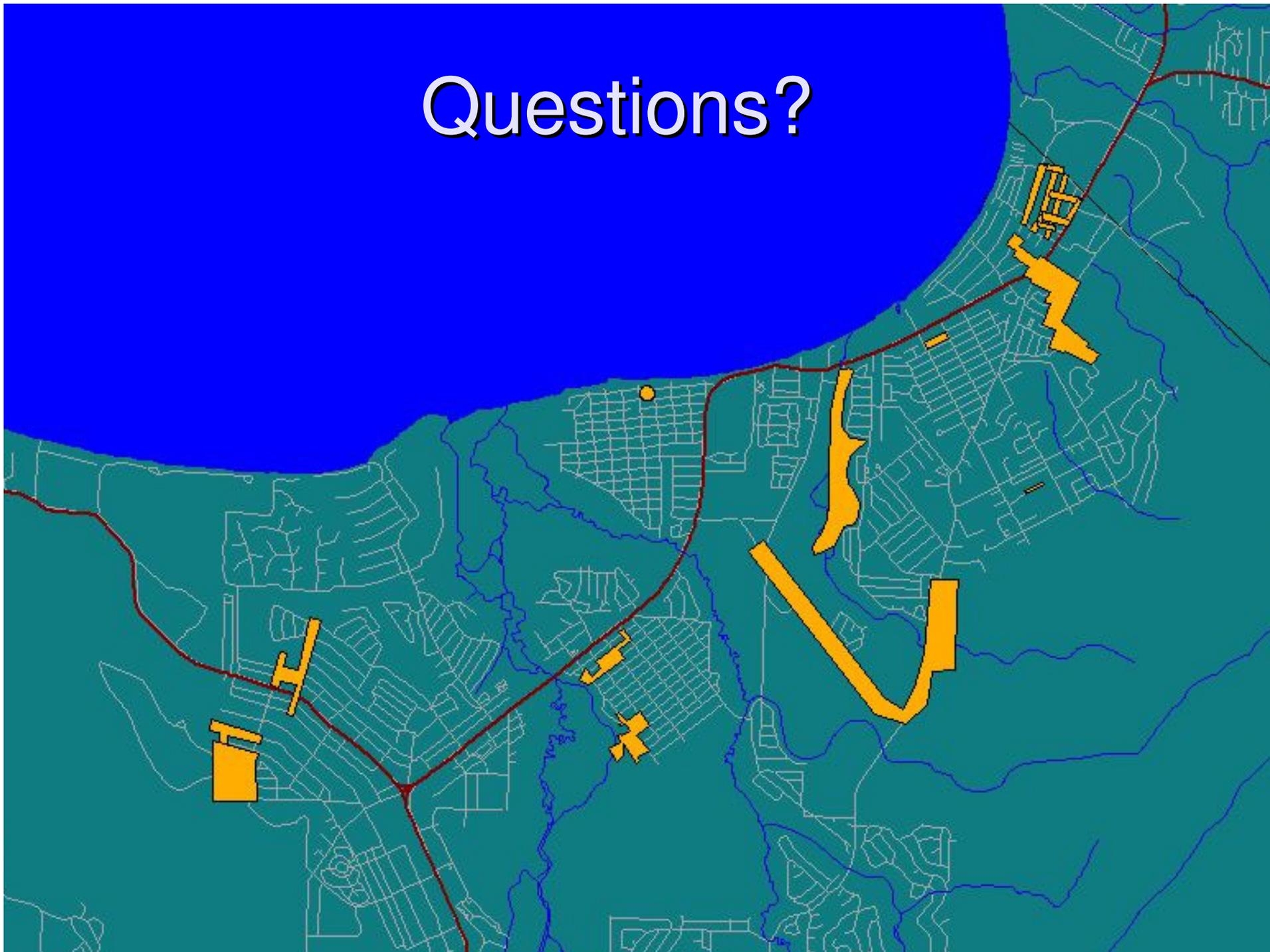


Next Level

- Refine Scale
 - Locate Major BMPs
 - Assess Treatment Flows
 - Add Effectiveness Information
- Enhance Access
 - Implementer Updates
 - Management Decisions
- Encourage Broader Uses
 - Asset Management
 - Maintenance



Questions?



Data Entry Form

BMP Inventory Data Entry Form

projectID Completion Date

EIP Name EIP #

Implementer Imp. Proj. Name Imp. Proj. #

Maintenance Plan Monitoring Plan

projectID	BMP Implemented	Size	Units	Quantity
▶ 1	Rock Lined Channel	500	Cubic Feet	
1				
1	Detention (dry) Basin	2000	Cubic Feet	2
1	Vegetated Swale	500	Square Feet	
1	SEZ Restoration	45000	Square Feet	1
1	Drop Inlet			12
* 1				

Record: of 6

Funding Summary

Federal Funder \$9,345,000

State Funder \$32,000

Local Funder \$100,000

Project Comments:

This is the first test field in the project.

projectID

Project Completion Date

Data Source:

EIP #

EIP Name:

Implementer

Imp. Proj. #

Imp. Proj. Name

State Funder:

State Funder Proj #:

State Funder Proj Name:

Engineering Consultant:

Construction Contractor:

Monitoring Plan:

Maintenance Plan:

Federal Funder:

State Funder:

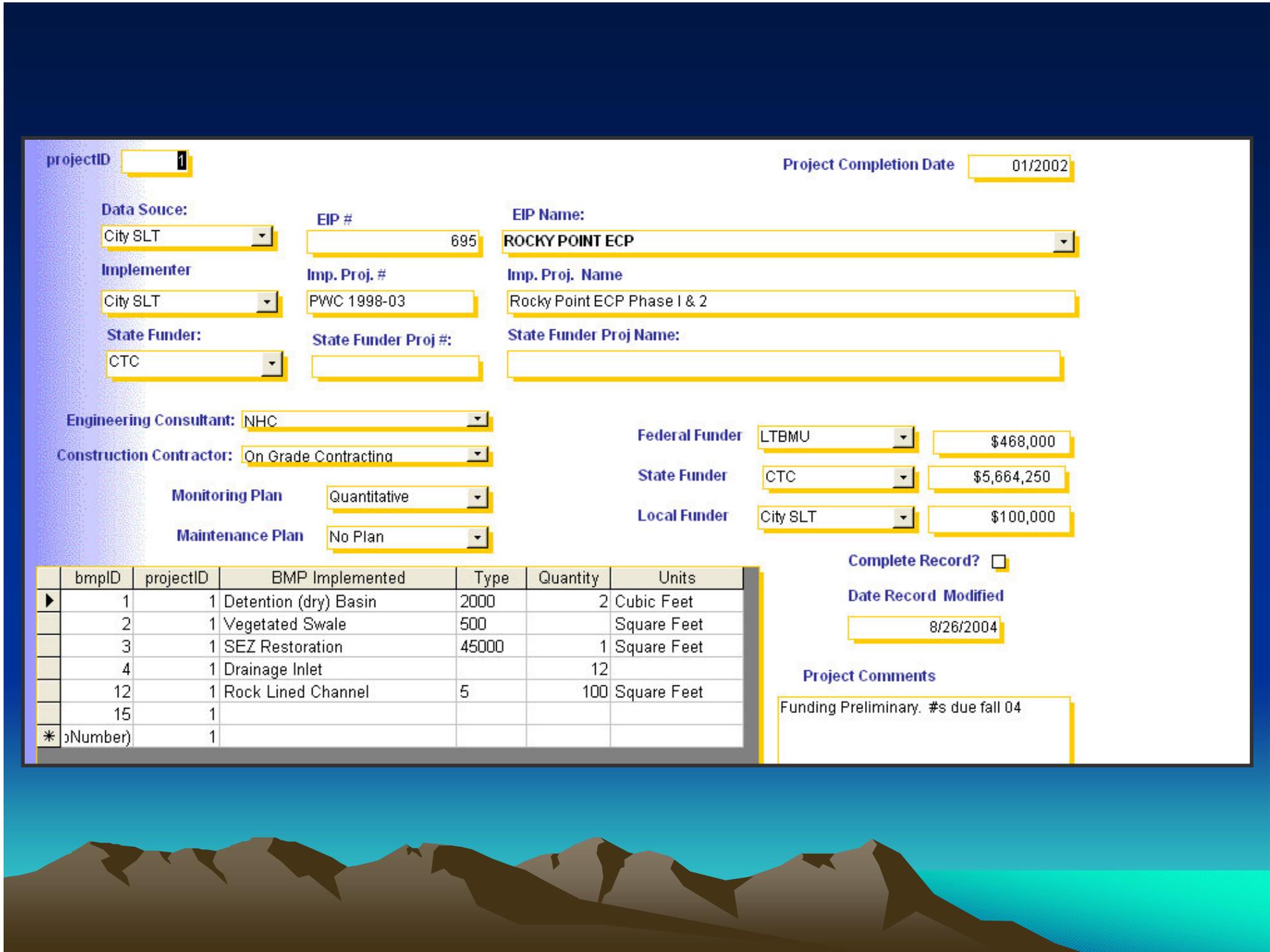
Local Funder:

Complete Record?

Date Record Modified

Project Comments

bmpID	projectID	BMP Implemented	Type	Quantity	Units
▶ 1	1	Detention (dry) Basin	2000	2	Cubic Feet
2	1	Vegetated Swale	500	1	Square Feet
3	1	SEZ Restoration	45000	1	Square Feet
4	1	Drainage Inlet		12	
12	1	Rock Lined Channel	5	100	Square Feet
15	1				
* (Number)	1				



GIS Project Areas

